

Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (cancelled)
2. (currently amended) A compact camera module comprising a lens unit including a lens and a lens holder holding the lens therein and an image pickup unit attached to the lens unit, wherein the image pickup unit comprises:
 - a circuit board;
 - an image pickup device on the circuit board;
 - a cover member arranged on the circuit board to cover the image pickup device;and
 - an optical filter arranged with respect to the cover member to face the image pickup device,wherein the image pickup device is disposed in a substantially closed space formed by the circuit board, the cover member, and the optical filter,
wherein the cover member includes an air hole to make the substantially closed space in communication with the outside; the lens unit includes a ventilation channel; the air hole is in communication with the ventilation channel,
and
wherein the ventilation channel is formed between a wall of a cutout of the lens and the lens holder.

3-4. (cancelled)

5. (currently amended) The compact camera module as claimed in ~~claim 4~~ claim 2, wherein the ventilation channel has an air filter disposed therein.

6. (cancelled)

7. (original) The compact camera module as claimed in claim 2, wherein the image pickup unit is asymmetric with respect to a central line.

8. (original) The compact camera module as claimed in claim 2, wherein
a grounding terminal is formed on a side surface of the circuit board, said
grounding terminal including a portion extending to an upper surface of the circuit board;
and

the cover member is arranged to be in contact with the portion of the grounding
terminal extending to the upper surface of the circuit board.

9. (cancelled)

10. (currently amended) An image pickup unit for use in conjunction with a lens
unit in a compact camera module, comprising:
a circuit board;

an image pickup device on the circuit board;
a cover member arranged on the circuit board to cover the image pickup device;
and
an optical filter arranged with respect to the cover member to face the image pickup device,
wherein the image pickup device is disposed in a substantially closed space formed by the circuit board, the cover member, and the optical filter,
wherein the cover member includes an air hole to make the substantially closed space in communication with the outside,
wherein a grounding terminal is formed on a side surface of the circuit board, said grounding terminal including a portion extending to an upper surface of the circuit board; and
wherein the cover member is arranged to be in contact with the portion of the grounding terminal extending to the upper surface of the circuit board.

11. (cancelled)

12. (original) The image pickup unit as claimed in claim 10, wherein the image pickup unit is asymmetric with respect to a central line.

13. (cancelled)

14. (original) A lens unit for use in conjunction with an image pickup unit in a

compact camera module, comprising:

a lens having a cutout; and

a lens holder that holds the lens therein,

wherein

a ventilation channel is formed between a wall of the cutout and the lens holder.

15. (original) The lens unit as claimed in claim 14, wherein the ventilation channel has an air filter disposed therein.

16. (currently amended) A method of producing a compact camera module, comprising the steps of:

forming an image pickup unit wherein an image pickup device is disposed in a ~~substantially closed~~ substantially closed space, wherein the step of forming the image pickup unit comprises the steps of:

installing an image pickup device on a circuit board;

covering the image pickup device with a cover member,

forming an air hole in the cover member to make the

substantially closed space in communication with the outside; and

arranging an optical filter with respect to the cover member to

face the image pickup device;

wherein the cover member, optical filter, and circuit

board form a substantially closed space, and

attaching the image pickup unit to a lens unit.

17-18. (cancelled).

19. (currently amended) A method of producing an image pickup unit for use in conjunction with a lens unit in a compact camera module, the method comprising the steps of:

installing an image pickup device on a circuit board;

covering the image pickup device with a cover member to dispose the image pickup device in a substantially closed space, wherein the cover member includes an air hole to make the substantially closed space in communication with the outside; and

arranging an optical filter with respect to the cover member to face the image pickup device.

Wherein the cover member, optical filter, and circuit board form the substantially closed space

20. (cancelled)